AMSAT News Service Weekly Bulletins
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AMSAT NEWS SERVICE
ANS-042

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:
ans-editor@amsat.org

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SB SAT @ AMSAT $ANS-042.01
AMSAT-NA and AMSAT-UK Donation to P3E

AMSAT News Service Bulletin 042.01
>From AMSAT HQ SILVER SPRING, MD.
February 11, 2007
To All RADIO AMATEURS
BID: $ANS-042.01

Earlier this week AMSAT-NA announced its agreement with AMSAT-UK and AMSAT-DL to donate a total of 40,000 Euros to AMSAT-DL for the purpose of funding the continued operation of the "Zentrales Entwicklungslabor for Electronik", (Central Development Lab for Electronics, aka "The ZEL") where its current major project is the construction of the Phase 3E satellite (P3E).

P3E is considered vital to the amateur radio space community for a variety of reasons. Currently there is no high orbit satellite carrying analogue transponders allowing DX multiple simultaneous contacts. The proposed orbit of P3E will cause it to be visible from amateur radio stations on earth for several hours at a time, allowing increased periods of operation and experimentation.

The P3E satellite will also provide the testbed for several other experiments which will test techniques needed for the proposed flight of an amateur radio spacecraft to Mars (Phase 5A), for example, a low power beacon simulating the weak signals that it will send from the Phase 5A satellite (P5A) on its journey to Mars. This will allow radio amateurs to test their stations in readiness for P5A.

The optimal years for launching a Mars bound spacecraft are 2009 or 2011 so it is important that P3E is launched as soon as possible. This is

currently planned to be at the end of 2008. Suitable launch opportunities for P3E and P5A are being investigated.

To read the full story please go to http://www.amsat.org.

[ANS thanks AMSAT-NA, AMSAT-UK, and AMSAT-DL for the above information]

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SB SAT @ AMSAT $ANS-042.02
SKN Best Fist Nominations Announcement

AMSAT News Service Bulletin 042.02
>From AMSAT HQ SILVER SPRING, MD.
February 11, 2007
To All RADIO AMATEURS
BID: $ANS-042.02

Ray, W2RS has received the votes for Best Fist and compiled the results from the OSCAR Straight Key Night activity. Ray says, "Many thanks to all who participated in AMSAT's 2007 Straight Key Night on OSCAR, held in memory of Cliff Buttschardt, K7RR."

The following each received at least one Best Fist nomination from someone they worked:

Lee Herterich, K1VZI
Keith O'Brien, N4ZQ
John Lee, K6YK
Mike Herr, WA6ARA
Al Ozias, N7EQF
Mike Fullmer, KZ7O
Mark Spencer, WA8SME
Frank Wiesenmeyer, K9CIS
Ron McCulley, K0RJS

Congratulations!

[ANS thanks Ray, W2RS for the above information]

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SB SAT @ AMSAT $ANS-042.03
New Item at the AMSAT On-line Store

AMSAT News Service Bulletin 042.03
>From AMSAT HQ SILVER SPRING, MD.
February 11, 2007
To All RADIO AMATEURS
BID: $ANS-042.03

Bruce, KK5DO wearing his AMSAT Store Manager hat says, "There is a new addition to the AMSAT Online store for 2007. There are also many cool things with the AMSAT logo that can be purchased while online from the AMSAT Online store."

AMSAT is proud to offer this quality white polo shirt made of 100% combed cotton by Outer Banks for 2007. The shirt is short sleeve and has a collar and three buttons. A pocket is on the left. Appearing directly above the pocket is the AMSAT logo and name in red and Radio Amateur Satellite Corporation in blue.

This shirt comes in medium, large, extra large, 2X,and 3X.
Quantities are limited.

[ANS thanks Bruce, KK5DO for the above information]

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SB SAT @ AMSAT $ANS-042.04
AMSAT Awards

AMSAT News Service Bulletin 042.04
>From AMSAT HQ SILVER SPRING, MD.
February 11, 2007
To All RADIO AMATEURS
BID: $ANS-042.04

Bruce, KK5DO wearing his AMSAT Director Contests and Awards hat writes,
"Here are the first awards for 2007. Happy satelliting and many more
hours of FB operation to everyone."

We would like to welcome the following to the satellite community.
They have made their first satellite contact and are now members of
the AMSAT Satellite Communicators Club.
Steven Raas, N2JDQ

AMSAT Satellite Communications Achievement Award
Juergen Pape, DF7WN #443
Jordi Tarrida Subirana, EB3JT, #444

AMSAT Sexagesimal Award
Jordi Tarrida Subirana, #142

South Africa Satellite Communications Achievement Award
Juergen Pape, DF7WN, #US103
Jordi Tarrida Subirana, EB3JT, #US104

The Robert W. Barbee, Jr. W4AMI Satellite Operator Achievement Award
1000 contacts, Wilse Morgan, WX7P, #46

To see all the awards visit http://www.amsat.org or
http://www.amsatnet.com

[ANS thanks Bruce, KK5DO for the above information]
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SB SAT @ AMSAT $ANS-042.05
OSCAR-1 Pioneer Harley Gabrielson, K6DS Silent Key

AMSAT News Service Bulletin 042.05
>From AMSAT HQ SILVER SPRING, MD.
February 11, 2007
To All RADIO AMATEURS
BID: $ANS-042.05

AMSAT received the news this week that Harley Gabrielson,
K6DS passed away Sunday, January 14. He was 83.

After serving in WWII at Los Alamos on the Atomic Bomb
Project, he worked for the Philco Corp. as an electrical engineer.

Harley was very active in Amateur Radio. He was licensed in 1939
and was an Elmer to many Hams over the years. He played a key role

in the Oscar Satellite program, and was responsible for the keyer
in Oscar I.

He was a key participant setting up and running the Volunteer Exam-
ination Coordinator program in the San Diego area for many years.
He was an active participant in ARES and EMS and also the San
Diego Microwave Group and its predecessor in the earlier years.

Harley will really be missed.

[ANS thanks Duane Naugle, KO6BT for the above information]

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SB SAT @ AMSAT $ANS-042.06
Pehuensat-1 Designated OSCAR-63 (PO-63)

AMSAT News Service Bulletin 042.06
>From AMSAT HQ SILVER SPRING, MD.
February 11, 2007
To All RADIO AMATEURS
BID: $ANS-042.06

Bill Tynan, W3XO, AMSAT OSCAR coordinator announced this week,
"By the authority vested in me by the AMSAT-NA President, I am
pleased to issue an OSCAR number for the amateur radio satellite,
Pehuensat-1.

I have been informed by IARU authorities that Pehuensat-1 complies
with all of the requirements needed for issuance of an OSCAR number.
Therefore, in accordance with your request, Pehuensat-1 will hence-
forth be know as Pehuensat-OSCAR-63, or PO-63.

AMSAT-NA is pleased to welcome Pehuensat OSCAR- 63 into the family
of amateur Radio satellites. We are hopeful that it will fulfill its
intended mission of furthering education and increasing interest in
the Amateur Radio space program and.we congratulate AMSAT Argentina
for building, testing and launching this new Amateur Radio satellite."

[ANS thanks Bill, W3XO for the above information]

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SB SAT @ AMSAT $ANS-042.07
First Call For Speakers for AMSAT-UK Colloquium

AMSAT News Service Bulletin 042.07
>From AMSAT HQ SILVER SPRING, MD.
February 11, 2007
To All RADIO AMATEURS
BID: $ANS-042.07

Dave, G4DPZ relayed AMSAT-UK's first call for speakers for the
22nd AMSAT-UK Colloquium which will be held at Surrey University,
Guildford, Surrey, U.K., from Friday 20 July to Sunday 22 July 2007.

AMSAT-UK invite speakers, about amateur radio space and associated
activities, for this event. They are also invited to submit papers for
the "Proceedings" document which will be published at the same time but
printed papers are not mandatory. We normally prefer authors to present
talks themselves rather than having someone else give them in the
authors' absence. We also welcome "unpresented" papers for the

Proceedings document.

Offers of talks should be submitted as soon as possible; the final date for full documents to be received is mid-June 2007 in order that the "Proceedings" document be available to participants.

Submissions should be sent *ONLY* to G4DPZ, via the following routes:
e-mail: dave at g4dpz.me.uk
Terrestrial mail: QTHR www.qrz.com

AMSAT-UK also invites anyone with requests for Program Topics to submit them as soon as possible to G4DPZ. Invitations for any papers on specific subjects will be included in the future call. Likewise if anyone knows of a good speaker, please send contact and other information to G4DPZ.

Additionally, AMSAT-UK will be running sessions specifically for beginners to amateur satellite operating on the Friday and Saturday afternoons.

Details of the colloquium can be found at: http://www.uk.amsat.org

[ANS thanks Dave, G4DPZ for the above information]

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SB SAT @ AMSAT $ANS-042.08
Space Shorts From All Over

AMSAT News Service Bulletin 042.08
>From AMSAT HQ SILVER SPRING, MD.
February 11, 2007
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+ Echo Command Station, Mike, KE4AZN reported on progress on changes and upgrading on AO-51. Mike says, "I loaded a new housekeeping task, written by WD0E, and began to test the added functions. It also includes some new safety features to protect the satellite." The AO-51 Operations Team warns when they some of these features it will cause the transmitters to shut off automatically. Control stations will turn them back on during the next available pass. For the time being the PBBS will remain down to users. Please do not attempt to access the PBBS. The FM repeater will remain ON for users.

+ The Packet-to-Voice mode aboard the RAFT satellite has been enabled. Any station may TURN ON voice mode over his country with a single CONNECT RAFT packet. The voice synthesizer will remain on for 90 seconds. Once the VOICE synthesizer is on, then anyone can send a UI APRS formatted MESSAGE to the callsign of "TALK" and RAFT will speak it if it can decode it.

[ANS thanks everyone for the above information]

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SB SAT @ AMSAT $ANS-042.09
First Call For Papers For The Annual SA AMSAT Space Conference

AMSAT News Service Bulletin 042.09
>From AMSAT HQ SILVER SPRING, MD.
February 11, 2007

To All RADIO AMATEURS
BID: $ANS-042.09

The Southern Africa Amateur Radio Satellite Association will be holding its annual space communications conference in Gauteng on Saturday 23 June 2007. The theme of the conference is "Space: New Frontiers" The theme relates to South Africa's latest satellite project "SumbandilaSat which is planned for launch in June and carries Amateur Radio Equipment. The Amateur Radio payload was designed and built by radio amateurs and incorporated into the satellite by the University of Stellenbosch.

This is the first call for papers to be considered for presentation at the conference. Papers should be of a technical or operational nature and cover any of the following subjects:

+ satellite communication
+ weak signal communication
+ orbital mechanics
+ related software applications, and exploration of space such as SETI.
+ Other related subjects will be considered.

The Deadlines are as follows:

Submission of synopsis	17 March 2007
Authors will be notified of acceptance of paper	25 April 2007
Final paper and PowerPoint presentation	1 June 2007

Mail the synopsis in word format to sa.amsat@intekom.co.za.
For more information about the conference visit:
http://www.amsatsa.org.za

[ANS thanks Hans and AMSAT-SA for the above information]

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SB SAT @ AMSAT $ANS-042.10
ARISS Status Report for the Week of February 5, 2007

AMSAT News Service Bulletin 042.10
>From AMSAT HQ SILVER SPRING, MD.
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1. Teacher Sends Thanks for ARISS Experience

The Amateur Radio on the International Space Station (ARISS) team received a thank you note from the coordinating teacher at Romeo Elementary School for its January contact. She gave special thanks to ARISS mentor, Gene Chapline, who prepared the school for the event. The teacher remarked, "What child will become a physicist, what child will walk on Mars, what child will work with communications all because of something very, very special that happened at Romeo Elementary School on January 17, 2007. Thank you."

2. ARISS International Team Meeting Held

The monthly ARISS International Team teleconference was held on Tuesday, January 30. Topics of discussion included the status of on orbit hardware, SuitSat-2, and the Columbus Module antennas. Minutes have been posted to the ARISS website:

http://www.rac.ca/ariss/arisstel2007-01-30.htm

3. Minutes Posted from ARISS San Francisco Meeting

Minutes from the ARISS International face to face meeting held in
San Francisco in October, 2006 have been posted to the ARISS website:
http://www.rac.ca/ariss/2006%20San%20Francisco%20ARISS-I%20Minutes.doc

[ANS thanks Carol, KB3LKI for the above information]

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In addition to regular membership, AMSAT offers membership in the
President's Club. Members of the President's Club, as sustaining donors
to AMSAT Project Funds, will be eligible to receive additional benefits.
Application forms are available from the AMSAT Office.

73,
This week's ANS Editor,
JoAnne Maenpaa, K9JKM